

SECRET

25X1A **HANDLE VIA** **CONTROL SYSTEM**

-2216-66
Copy of u

25X1A

4 February 1966

MEMORANDUM FOR : Chairman, U-2R Evaluation Board
SUBJECT : Preliminary Evaluation of Life Support
Area in the U-2R.

Since this report does not deal with all aspects of life support equipments, the evaluation is in two parts. Part I evaluates proposals specifically mentioned and Part II mentions requirements that would necessarily go into new U-2 aircraft.

Part I

Although the cockpit depth and width are going to be increased an average of four inches, there is no mention of increasing its length. An increase in length is mandatory to insure knee clearance of the windshield at the time of ejection.

The maximum altitude cruise capability of hours and maximum range cruise capability of hours, dictates a review of man's ability to function efficiently in a cockpit environment over such a long period of time.

Part II

Not mentioned in the report but well within the present state-of-the-art are the following requirements:

- a. A zero-zero escape system.
- b. A stabilizing device for the man during fall after ejection from high altitude.
- c. Thirty-five foot parachute canopy.

25X1A
SECRET

HANDLE VIA
CONTROL SYSTEM

SECRET

25X1A

**HANDLE VIA [REDACTED]
CONTROL SYSTEM**

[REDACTED]-2216-66

25X1A

d. Leg retractors and a torso retractor.

e. A full pressure suit.

It is recommended that a study be made of the possibility of incorporating a capsule type escape system.

25X1A

[REDACTED] A/
MAJOR USAF
ASD/OSA

25X1A

ASD/OSA [REDACTED] gp (4 Feb 66)

Distribution:
1-6 - Addressee
7 - D/TECH/OSA
8 - AD/TECH/OSA
9 - ASD/OSA
10 - chroao
11 - RB/OSA

25X1A

SECRET
2

**HANDLE VIA [REDACTED]
CONTROL SYSTEM**